

WHAT IS CLAIMED IS:

1. A method of retaining a bearing in a hole formed in a housing, comprising the process of:
 - inserting the bearing in the hole;
 - pushing material of the wall of the hole toward the center of the hole using a staking tool with a diameter larger than that of the hole;
 - pressing the material so as to contact with an end face of the outer race using the staking tool; and
 - forming a locking section for retaining the outer race.
2. The bearing retention method according to Claim 1, further comprising the process of:
 - forming a step for retaining the outer race in advance at an end of the area within the hole to which the bearing is retained hole;
 - bringing an end of the outer race to contact the step; and
 - forming the locking section to another end of the outer race.
3. The bearing retention method according to Claim 2, further comprising the process of:
 - forming in advance a projection at the other end of the outer race;
 - forming in advance a concave section corresponding to the projection in the hole;
 - engaging the projection of the outer race with the concave section in the hole; and
 - forming the locking section matching the other end of the outer race.

20050330-011300

4. The bearing retention method according to Claim 1, further comprising the process of:

forming in advance projections in the hole, adjacent to each other within the area to which the outer race of the bearing is retained; ;

press fitting the outer race therebetween; and

forming the locking sections.

5. The bearing retention method according to Claim 1, further comprising the process of:

forming in advance a projection at an end of the outer race;

forming in advance a concave section matching the projection in the hole;

engaging the projection of the outer race with the concave section of the hole; and

forming the locking section corresponding to the end of the outer race.